

FORTHCOMING PUBLICATIONS (A)

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Review

Spintronics and quantum computation

GOVIND AND S K JOSHI

Condensed Matter & Materials Physics

Infrared spectral studies on Zn-substituted CuFeCrO_4 spinel ferrite system

M C CHHANTBAR, U N TRIVEDI, P V TANNA, H J SHAH, R P VARA, H H JOSHI AND
K B MODI

Effect of concentration on its optical absorption properties of Pr^{3+} -doped potassium borate glass

Y C RATNAKARAM, ABDUL ALTAF AND K RAVINDRA PRASAD

Spurious and regenerated thermoluminescence from natural calcite crystals

V PONNUSAMY, V RAMASAMY, M DHEENATHAYALU AND M GOPALAKRISHNAN

Study of electrical conduction mechanism of succinic acid-doped glycine pellet

D K BURGHATE, S H DESHMUKH, V P AKHARE, LAXMI JOSHI, V S DEOGAONKAR AND
P T DESHMUKH

Cohesion, elastic constants and vibrational mechanics of fcc platinum

DIVESH VERMA, M L VERMA, A VERMA AND R P S RATHORE

Calorimetric measurements on Te-Bi-Se glasses with variation in Se content

MANISH SAXENA, ANIMESH AGARWAL AND P K BHATNAGAR

Nuclear Physics

In medium modification of the optical model potential

A M FARHAN

Pion fluctuation study in π^- -AgBr interaction at 350 GeV/c

DIPAK GHOSH, ARGHA DEB, PRABHAT BANDYOPADHYAY, MITALI MONDAL, MADHUMITA
LAHIRI AND KANCHAN KUMAR PATRA

Multifractality and multifractal specific heat in fragmentation process in 24 Mg-AgBr
Interaction at 4.5 A GeV

DIPAK GHOSH, ARGHA DEB, KAYA DUTTA (CHATTOPADHYAY), RINKU SARKAR, ISHITA DUTTA
AND MITALI MONDAL

Evidence of Intermittant fluctuations and multifractality of target residues in lepton-nucleus interactions at (420 ± 45) Gev

DIPAK GHOSH, ARGHA DEB, PARTHASARATHI GHOSH AND SYED IMTIAZ AHMED

Particle Physics

Particular solutions of GLDAP evolution equations in leading order and structure functions at low-x

R RAJHOWA AND J K SARMA

Notes

Detection of crystal structure of chemically-deposited copper selenide thin films

AL MAMUN, S H FIROZ AND A B M O ISLAM

X-ray diffraction studies of 8-(2-Azothiazolyl)-7-hydroxy 4-methyl coumarin

P P HANKARE, A H JAGTAP, L V GAVALI, P S BATTASE AND S R NARAVANE

Optical characteristics of bismuth thiourea chloride single crystals

S GOVINDA BHAT AND S M DHARMAPRAKASH

Study of trap depth characteristics in ZnTe thin films based on photocurrent decay

R SARMA, N MAZUMDAR AND H L DAS

On pressure dependence of the relative compression (V/V_0) at room temperature for the solids copper and lead 'as prototypes'

DEEPIKA KANDPAL, K Y SINGH AND B R K GUPTA

Effect of Cu for Mn on the magnetic properties of Mn-Zn ferrites

M M HAQUE, M HUQ AND M A HAKIM

Effect of radiation dose on the photostimulated luminescence of BaFBr : Eu^{2+} phosphor

MEETA CHOUHAN, P K KHARE AND B P CHANDRA

Effect of additive materials to concrete on δ -ray absorption coefficient

A A AL-BAYATI